

[illegible]

	A	B	C	D	E	F	G	H	I
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46	NEAR								
47	Description	From	To	Quantity	Length	Cable Type	Connector	Provider	Rating
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49	High Voltage - M64	LRS1440	Alner box	194	varies	Belden RG-58/U (pn 82240)	SHV	TAMU	FT6 Plenum rated
50	High Voltage - Trigger PMT	LRS1440	Trig. PMT box	1	?	Belden RG-58/U (pn 82240)	SHV	TAMU	FT6 Plenum rated
51	High Voltage - Control	EDAS or RPS Control Box	LRS1440	2	~5ft	16-conductor ribbon	?	UMD	?
52	Alner Box to MINDER Aux - anode	Alner box	MINDER Aux board	4 types, various quantities	~ 2ft	Belden-8216 RG-174	D32	ANL	UL 1364
53	Alner Box (includes Trig PMT) to KEEPER aux - dynode	Alner box	KEEPER Aux board		~ 2ft	" "	Lemo	ANL	Same as above?
54	Optical readout cables	Detector Scint. Modules	Alner box		varies	optical fiber		Sussex	Mitigated by halogen-free fire retardant conduit
55	Frontend - Data	MINDER crate	MASTER crate	584	30 ft	multi-pair	3M 3600B36	ANL	CL2
56	MASTER - KEEPER	MASTER Aux	KEEPER board	44	30 ft	multi-pair	3M 3600B36	ANL	CL2
57	PVIC - Copper	MASTER crate	MASTER crate	4	?			RAL	VW-1
58	PVIC - Optical	MASTER crate	Branch Readout Processor	4	<200m	62.5/125 um OFNR	SC/SC	RAL	NEC 770
59	PVIC - Copper	Branch Readout Processor	Trigger Processor	8?	2m			RAL	VW-1
60	DAQ ROP serial communication	EDAS equivalent device	ROP	8	~ 5ft	RS-232		RAL	
61	Ethernet	Hubs	Everywhere			Belden 1752A	RJ-45	FNAL CD Networking	UL 1581
62	Clock distribution - MINDER - 53MHz	Master clock fanout MCF	MTM in MINDER crate	44		Quabbin 2902 (CAT 5e)		PPD EE	NEC CM
63	Clock distribution - MASTER - 53MHz	Master clock fanout MCF	VTM in MASTER crate	8		Quabbin 5500 (CAT 5e)		PPD EE	NEC CM
64	Clock distribution - MASTER - GPS	GPS fanout	VTM in MASTER crate	8		CAT-5		IIT	
65	Clock: GPS to GPS fanout	GPS receiver	GPS fanout	1	1			IIT	
66	Clock: GPS to Timing PC	GPS receiver	Timing PC	1	1	CAT-5		Oxford	CSA CMP
67	Fiber in Shaft	Surface	LAN distribution & GPS receiver	1 bundle	~400ft	Optical Fiber EHV4001	none	RBI	
68	LI distribution - scintillator	LED boxes	Scintillator manifolds	1720	varies	Optical Fiber EHV4001		Sussex	VW-1
69	LI distribution - PIN diode	LED boxes	PIN Aux	64 or 66 ?	all the same?	Optical Fiber EHV4001		Sussex	VW-1
70	LI distribution - Trigger PMT	LED boxes	Trig. PMT box	3	all the same?	Optical Fiber EHV4001		Sussex	VW-1
71	LI Control	RPS Control Box	LI Crate	3	2 ft	RS-485		Sussex	
72	LI external trigger	Master clock Fanout MCF	LI Crate	3	?	RG-58 Coax	Lemo	FNAL	
73	LI Beam Spill Inhibit	Beam Spill Gate	LI Crate	3	?	RG-58 Coax	Lemo	FNAL	

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47	Comments
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49	Same as used in Far Det
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52	I am unable to find any reference to UL 1364 (or UL 1354, which is the rating given by Belden), but the Belden catalog describes these cables as having polyethelene insulation with PVC jackets. From the standpoint of flammability and smoke, they sound quite undesirable. I recommend finding something else. - DJB
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55	Comment - DJB
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